

Species Tag:	31001	Species Name:	HCO-18+
Version:	2		Formyl cation /
Date:	Dec. 1983		Oxomethylum,
Contributor:	R. L. Poynter		X $^1\Sigma^+$,
			^{18}O isotope
Lines Listed:	34	Q(300.0)=	147.163
Freq. (GHz) <	2886	Q(225.0)=	110.459
Max. J:	34	Q(150.0)=	73.739
LOGSTR0=	-2.4	Q(75.00)=	37.034
LOGSTR1=	-3.2	Q(37.50)=	18.690
Isotope Corr.:	-2.690	Q(18.75)=	9.515
Egy. (cm^{-1}) >	0.0	Q(9.375)=	4.936
μ_a =	3.30	A=	
μ_b =		B=	42581.21
μ_c =		C=	

Only two lines of this molecule have been measured, by C. Woods, R. J. Saykally, T. A. Dixon, P. G. Szanto, and T. Anderson, 1976, 31st Symposium on Molecular Spectroscopy, Columbus, Ohio, and by M. Bogey, C. Demuynck, and J. L. Destombes, 1981, Mol. Phys. **43**, 1043. A least squares analysis cannot be done with such limited data. The catalog entries are therefore just simple calculations from the B and D rotational constants, and no error estimates can be given. The dipole moment was assumed to be the same as for the parent species.